

## ABSTRACT

Disclosed herein are an anisotropically conductive sheet which does not contaminate an object of connection, does not adhere to the object of connection even when it is left to stand for a long period of time in a state pressurized by the object of connection under a high-temperature environment and can prevent or inhibit electric charge from being accumulated to eliminate an adverse influence by static electricity, a production process thereof, and applications thereof.

The anisotropically conductive sheet according to the invention has an anisotropically conductive sheet body formed by an elastic polymeric substance and having a plurality of conductive parts extending in a thickness-wise direction of the sheet body and an insulating part mutually insulating these conductive parts, and a DLC film integrally formed on one or both surfaces of the anisotropically conductive sheet body so as to cover at least the insulating part.